| MB/ NC [1] | Line number (e.g. 17) | Clause/ Subclause (e.g. 3.1) | Paragraph/ Figure/ Table/ (e.g. Table 1) | Type of comment [2] | Comments | Proposed change | FP teleconference group recommendation |
|---|---|---|---|---|---|---|---|
| Editor | | | | ge | The __STDC_WANT_IEC_18661_EXT1__ macro is not defined in changes to C1, though it appears in function Synopses within C11. Including it in changes to C11 would give a more complete, standard-ready specification. The macro name refers to IEC 18661, though the TS would go away if it's changes were incorporated into the Standard. | Define the macro in changes to C11. Change its name to __STDC_WANT_IEC_60559_BFP_EXT__. Clearly identify, in 5.3 changes to C11, the identifiers that the WANT macro affects. | Agreed |
| Editor | | | | ge | Hyphenation of floating-point and implementation-defined is not consistent. | Use "floating-point" for adjectives, "floating point" for nouns. Use "implementation-defined" in all cases. | Agreed |
| Editor | | | | ge | In a few places the floating-point environment or rounding mode needs to be qualifies with "dynamic". | Have editor make corrections. | Agreed |
| Editor | | | | ge | A few clearly editorial corrections are needed. | Have editor make corrections. | Agreed |
| Editor | Page 10 | 8 | | te | There's no explicit binding of the rounding direction macros to the IEC 60559 rounding directions. | In the change to C11 F.3, after [8], insert the paragraph: [9] The macros (7.6) **FE_DOWNWARD**, **FE_TONEAREST**, **FE_TOWARDZERO**, and **FE_UPWARD**, which are used in conjunction with the **fegetround** and **fesetround** functions and the **FENV_ROUND** pragma, represent the IEC 60559 rounding-direction attributes roundTowardNegative, roundTiesToEven, roundTowardZero, and roundTowardPositive, respectively. | Agreed |
| Editor | Page 20, line 3 | 12 | | te | Missing specification for the definition of FE_SNANS_ALWAYS_SIGNAL. Generally, non-dated values of flag-like macros are the integer constant 1. | To the change to F.2.1#8 append the sentence: "If defined, **FE_SNANS_ALWAYS_SIGNAL** expands to the integer constant **1**." | Agreed |
| Editor | Page 20 | 12 | | te | Missing change for optional support for signaling NaNs. F.4 says "If the integer type is **_Bool**, 6.3.1.2 applies and no floating-point exceptions are raised (even for NaN)" which seems to preclude IEC 60559 behavior for signaling NaNs. | Replace the problematic sentence with "If the integer type is **_Bool**, 6.3.1.2 applies and the conversion raises no floating-point exceptions if the floating-point value is not a signaling NaN." | Agreed |

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2  **Type of comment:ge** = general     **te** = technical    **ed** = editorial

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| Editor | Page 40, line 23 | 14.10 | | te | There is no change to C11 that says what NaN payloads are intended to represent. | In added F.10.13, insert the paragraph: IEC 60559 defines the *payload* of a quiet or signaling NaN as an integer value encoded in the significand. The payload is intended to represent implementation-defined diagnostic information about the NaN. The functions in this clause enable getting and setting payloads. | Agreed |
| Editor | Page 46 line 7 | Bibliography | | ed | The date for TR 24732 is incorrect. | Change "ISO/IEC TR 24732:2008" to "ISO/IEC TR 24732:2009" | Agreed |
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| **Template for comments and secretariat observations** | | | | Date: 11 Sep 2013 | | Document: **WG 14 N1755** | Project: 18661 |

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